

**MUNICIPAL CORPORATION OF GREATER MUMBAI**

**Minutes of Meeting**

**Subject:-SITC of Interactive panel for digital class room at various municipal schools.**

**Bid No.:7100179132**

With reference to above subject, a pre-bid meeting was held in the chamber of Ch.E. (M&E) on 20.07.2020 and the same was attended / e- mailed by the following bidders:

<b>Sr.No</b>	<b>Representative</b>	<b>Name of the company</b>
1	Shri Naresh Bhise	M/s Tata Class Edge
2	Shri D. K. Chaudhary	M/s Uneecops
3	Shri.J.M.Date	M/s Temflo System Pvt Ltd
4	Shri Ninad Antrolkar	M/s Versatile Process Controls Pvt Ltd
5	E mail	M/s I View Technologies
6	Shri Vijay Raut	M/s Cosmos Group
7	Smt Prakriti Bari	M/s Edique Solutions Pvt Ltd
8	Shri Praveen Sharma	M/s Godrej & Boyce Mfg Co. Ltd
9	Shri M Kumar	M/s Hundai IT Co. Ltd
10	Shri Mahesh Udavant	M/sVasundhara Global
11	Shri Anoop kumar Gupta	M/s Newline
12	Shri Santhanu	M/s Maxhub
13	Shri Sonu Jain	M/s Acer India
14	Shri Kunal Deshpande	M/s Delta
15	Shri S. Kulshreshtha	M/s Extramarks
16	Shri Hardik Shah	M/s Sundaram Multi Pap ltd

17	Smt Purvi Shah	M/S INP
18	Shri M Koparkar	M/s Visionindia Software
19	Shri Saurabh Karemore	M/s Samsung
20	Shri Pratik Merchant	M/s L&T
21	Shri Nilesh Mandar	M/s Oleads Techno
22	Shri Ajay Bhartav	M/s Edulight
23	Shri Manish Jain	M/s Ace Business Soution
24	Shri Kapish Agarwal	M/s LG Electronics
26	Shri Aashish Sharma	M/s Worldd AV Solution
27		M/S Universal Enterprises
28	Shri Roopam Nandkishor	M/s Brio Interactive
29	Shri Tejal	M/s Scholare Publications
30	Shri S.R.Ansari	M/s Telecommunication Consultant India Ltd
31	Shri Deepkumar	M/s Benq India Pvt Ltd
32	Smt Manjari Dabholkar	M/s V.P.Corporates Sales
33	Shri Himanshu Shah	M/s MAK Envirotech & Solutions (I) Pvt Ltd
34	Shri Nitin Phadtare	M/s Shriram Computers
35	Shri Mandar Nerulkar	M/s Ideal Enterprises
36	Shri Zeal Chheda	M/s Visual Display Solution

The Queries/Suggestions raised by bidder in the meeting and received through email are clarified as below:

<b>Sr. No.</b>	<b>Page no/Clause no./Detail of Bid document</b>	<b>Pre-Bid Query/Suggestion</b>	<b>Amendment/ (Clarification)</b>
1	Section 1 Page No.4 E-tender for the aforementioned work from contractors registered with the Municipal Corporation of Greater Mumbai, (MCGM)	1. As per the tender only the contractor having valid registration certificate from Mechanical and electrical is eligible to participate. And as per the scope of work, Bidder should supply of	( Please Ref Scope of work for the required work to be carried out) (MCGM registration in M&E is

	<p>with valid registration certificate of class 'AA'</p>	<p>interactive flat panel along with digital content and there is no requirement of any specific mechanical and electrical work. Hence, request you to please justify this.</p> <p>As per our understanding, This registration is applicable to civil, Electrical and mechanical tenders only. We being the supplier of hardware and software related to 'IT' products related to digital learning solution/ digital classroom, are we eligible for this registration. if 'No' please provide exemption from this certification.</p> <p>2. Since we are already giving our credentials for eligibility criteria. Additional registration in Mechanical &amp; Electrical should be removed.</p> <p>3. We are the leading company in the Education Technology sector in India. And we are impanelled with UPDESCO and TCIL as system integrator for supply of Smart Classrooms and ICT Labs in Schools.</p> <p>As per the tender only the contractor having valid registration certificate from Mechanical and electrical is eligible to participate. And as per the scope of work, Bidder should supply of interactive flat panel along with digital content and there is no requirement of any specific mechanical and electrical work.</p> <p>Hence, request you to please justify this.</p>	<p>mandatory Kindly refer Registration clause of Tender Notice) <b>No change in the Tender clause.</b></p>
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2	<p>Section 1(i) Page No.4 To download the application form, for those applicants not having vendor registration, need to apply first for vendor registration at the office of Account Officer (FAR), 3<sup>rd</sup> floor, Municipal Headquarter. Followed by SRM login ID and password to be obtained from Central Purchase Department (CPD), Office at Byculla, Bakariadda, Mumbai</p>	<p>1. This is the not a feasible website to upload a tender as most of time it doesn't show the content and required BOQ.</p> <p>2. Most of the tender from your department is published through:<a href="https://mahatenders.gov.in/">https://mahatenders.gov.in/</a> Hence, we request you to open a panel on the procumbent website to submit the bid.</p>	<p>Vender registration is required. <b>No change in the Tender clause.</b></p>
3	<p>Section 1 Page No.5 In terms of the 3 stage system of e-tendering , a Bidder will be required to deposit, along with its Bid, an Earnest Money Deposit of Rs 37,83,200.00</p>	<p>1. Please allow exemption of EMD for 'msme', if not, then please reduce the amount of EMD, if not, then please accept bank guarantee in case of this EMD</p>	<p>( Ref Pg 5 para 3 for EMD deposit) <b>No change in the Tender clause.</b></p>
4	<p>Section 1 Page No.5 Tender contract period mentioned as six month including monsoon. Delivery Period clause as per tender</p>	<p>It should be only after date of confirmation of site readiness from BMC (after PO date), full address of each site &amp; qty of material for delivery, contact person for acceptance of material, storage at site and contact person details who will sign the completion/installation report</p>	<p>( All the details asked will be provided by education Dept. once the P.O. is issued and if there is any delay from MCGM unavoidable conditions then the completion date can be extended further ) <b>No change in the Tender clause.</b></p>
5	<p>Section 2(1.1) Page No.9 The tenderer(s) in their own name should have satisfactorily executed the work of similar nature MCGM /Semi Govt. /Govt. &amp; Public Sector Organizations during last</p>	<p>1. We request you to consider the Smart Classrooms project executed/executing during the last three financial work by only the prime bidder.</p> <p>Also, please clarify the similar nature work.</p>	<p><b>No change in the Tender clause.</b></p>

	<p>seven (7) years ending last day of month previous to the one in which bids are invited as a prime Contractor (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied)</p>	<p>2. The reference of tender /agreement of contractor should be referred in the letter of satisfactory execution / work order in case of sub-contractor.</p> <p>3. The tenderer(s) should have satisfactorily executed the work of similar nature of digital classroom or smart classroom for government / Govt. Aided institutions during last three (3) years ending last day of month previous to the one in which bids are invited as Contractor or as a nominated sub-Contractor or supplier by contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied . The reference of tender /agreement of contractor should be referred in the letter of satisfactory execution / work order in case of sub-contractor.</p> <p>4. Please add: Private Sector</p>	
6	<p>Section 2(2.1) Page No.10</p> <p>a) Three similar completed works or currently executing three works of similar nature each costing 30% of estimated cost for work Rs 11,34,94,850.00 OR b) Two similar completed works or currently executing two works of similar nature each costing 40% of estimated cost for work Rs 15,13,27,800.00 OR</p>	<p>1. We request you to consider the executed/executing during the last three financial work by only the prime bidder. Also, please clarify the similar work</p> <p>2. Tata ClassEdge strongly recommends to alter the technical capability clause. This is a tender for education solution and Tata ClassEdge is into development of content and managing over 1700schools across the country have vast experience in digital learning solutions. However we were not participating in government tender as the requirements were generally not intended towards quality of solution. Now as MCGM is looking forward to upgrade the teaching-learning process, we find ourselves</p>	<p>( For Similar work ref. 2.3 Pg 11) <b>No change in the Tender clause.</b></p>

	<p>c) One completed work or currently executing one work of similar nature of aggregate 60% of estimated cost for work Rs.22,69,91,700.00</p> <p>*In case of ongoing works to be considered, the bidder must have received payment bills of 80% of the contract sum for the work/works executed last day of month previous to the one in which bids are invited.</p>	<p>a scope for adding value together. As we do not have implemented projects worth as mentioned in the technical capability clause, does make us irrelevant or not competent to deliver this project. We have over 75Cr turnover YOY and delivering projects with success. Also the emphasis is given more on hardware in the tender, however such educational project should have more focus on the quality, pedagogy and the construct of the content. Also higher focus is required on how the content will be upgraded regularly and on the training support to teachers to use the digital classrooms with high usage of content. So that MCGM attain a higher ROI on the investment on one side and fulfil its vision to improve the quality of education in MCGM schools. We recommend either to change the technical eligibility either to 1. Turnover or 2.in terms vintage of the content development or 3.the number of installations done in last 5years.</p> <p>3. Since ongoing projects have lot of dependencies from customer end and the payments are released based on the criteria's like Scope, project schedule, payment terms, budget availability, Site availability etc, which is not standard. Clause of 80% payment collection for the ongoing work should be removed. However, undertaking from customer that at least 33% has been completed should be provided.</p> <p>4. As per this tender document, the pre bid qualifications criteria of 60%/40%/30% must not be taken into consideration the reason being it is an new segment for education. Government since last year has been in the</p>	
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		<p>part of making digital classrooms. Whereas digital education and interactive classrooms have been a daily course for private schools. So, it is difficult for any company whosoever to bring in a minimum order of 11cr., from a private organization. Rather Please Consider number of classrooms installed and financial turnover of the companies</p>	
		<p>5. Repeated frequently with different percentages, hence requesting to streamline as below:  1a. Instead of Similar Complete works, please make -- similar / IT / Smart classroom works.  1b. Please change 20% to 10%  2a. Instead of Similar Complete works, please make -- similar / IT / Smart classroom works.  2b. Instead of 25%, please make it 15%  3a. Instead of Similar Complete works, please make -- similar / IT / Smart classroom works.  3b. Instead of 40%, please make it 20%</p>	
		<p>6. We request you to relax the performance criteria from 30%/40%/60% according to MCGM standard bid document to 5%, keeping in mind, Digital Classrooms are new in government schools.  7. Kindly reduce the criteria of similar experience by 50%.</p>	
7	<p>Section 2, Page No.11</p> <p><b>2.2 Financial Capacity</b> Achieved a average annual financial turnover as certified by ‘Chartered Accountant’ (in all classes of civil engineering construction</p>	<p>1. The clause mentioned is valid for Civil contractor and not relevant for the said tender. Kindly remove and ask for company turnover in last 3years.</p>	<p><b>The clause 2.2 Financial Capacity read as:</b> Achieved a average annual financial turnover as certified by ‘Chartered Accountant’ equal to 30% of the</p>

	<p>works only) equal to 30% of the estimated cost of work in last three (3) financial years immediately preceding the Financial Year in which bids are invited.</p> <p><input type="checkbox"/> To ascertain this, tenderer(s) shall furnish /upload the financial statement (Audited balance sheet) duly certified by Chartered Accountant.</p> <p><input type="checkbox"/> The turnover can be enhanced by 10% every year to bring the present level.</p>	<p>2. Turnover should be at least equal or more than the estimated work for last 3 financial years (average of 3 years can also be more than estimated work). This is critical for evaluating the financial capacity &amp; stability of the vendor to execute the project. The bidder should be in profit making in last 5 years.</p>	<p>estimated cost of work in last three (3) financial years immediately preceding the Financial Year in which bids are invited.</p> <p><input type="checkbox"/> To ascertain this, tenderer(s) shall furnish /upload the financial statement (Audited balance sheet) duly certified by Chartered Accountant.</p> <p><input type="checkbox"/> The turnover can be enhanced by 10% every year to bring the present level.</p>
8	<p><b>2.3 Similar experience:</b> Page No.11 For assessing the technical capacity of Regular, Routine and Maintenance works; Similar work shall mean, the completed or ongoing works of SITC of Digital class rooms.</p>	<p>1. For assessing the technical capacity of Regular, Routine and Maintenance works; Similar work shall mean, the completed or ongoing works of SITC of Digital class rooms/ICT Labs</p> <p>2. Kindly consider supply of similar equipment as one of the qualifying criteria too.</p> <p>3. ICT Classroom / IT Projects where computers and monitors are supplied also should be considered as similar projects because current project also comprises the supply of LED Monitors and PC.</p> <p>4. Kindly consider works done for private sector organisations too.</p>	<p>( Refer Clause no. 2. <i>For Original and New construction</i> works: for this tender.)</p> <p>( The subject tender falls under New works. The clause for Regular and Routine work is not applicable in this case) <b>No change in the Tender clause.</b></p>



9	<p>➤ <b>Section 6</b>, Page No.24</p> <p><b>Eligibility of Applicants</b> The Municipal Corporation of Greater Mumbai (MCGM) invites e-tender for the aforementioned work from contractors registered with the Municipal Corporation of Greater Mumbai, (MCGM) with valid registration certificate of class 'AA' in Mechanical &amp; Electrical as per new registration rule 2015 &amp; Class 'A' in Mechanical &amp; Electrical category as per new registration rules 2016 and from the contractors / firms equivalent and superior classes registered in Central or State Government/Semi Govt. Organization/Central or State Public Sector Undertakings, will be allowed subject to condition that, The contractors who are not registered with MCGM will have to apply for registering their firm within three months' time period from the award of contract, otherwise their Bid Security i.e. E.M.D (Earnest Money Deposit) will be forfeited/recovered and an amount equal to Registration Fee of respective class will be recovered as penalty.</p>	<p>1. We do not have Registration certificate of Class AA in Mechanical and &amp;Electrical and will neither possess. It is valid for civil contractors. This needs to be removed.</p> <p>2. Request you to allow all the bidders (registered company / Partnership firm/ Proprietorship firm) who are registered with the Municipal Corporation of Greater Mumbai (MCGM) to participate in the tender. Registration certificate of class 'AA' in Mechanical &amp; Electrical is not applicable for IT bidders.</p> <p>3. Kindly consider supply of similar equipment as one of the qualifying criteria too.</p> <p>4. Class 'AA' Registration in Mechanical &amp; Electrical is not applicable for the bidders who are dealing with IT equipments.</p> <p>5. we suggest you that the Municipal Corporation of Greater Mumbai (MCGM) invites e-tender for the aforementioned work from contractors registered with the Municipal Corporation of Greater Mumbai, (MCGM) also the bidder should be a registered company / Partnership firm/ Proprietorship firm.</p> <p>Registration certificate of class 'AA' in Mechanical &amp; Electrical is not applicable for IT bidders</p>	<p>( Class Registration is Mandatory, Refer <b>Eligibility of Applicants</b> clause of this Tender )</p> <p><b>No change in the Tender clause.</b></p>
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10	<p><b>2.1 Technical Capacity (Project Experience):</b> Page No.26  The tenderer(s) in their own name should have satisfactorily executed the work of similar nature MCGM /Semi Govt. /Govt. &amp; Public Sector Organizations during last seven (7) years ending last day of month previous to the one in which bids are invited as a prime Contractor (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied)</p> <p>a) Three similar completed works or currently executing three works of similar nature each costing 30% of estimated cost for work  Rs.11,34,95,850.00</p> <p style="text-align: center;">OR</p> <p>b) Two similar completed works or currently executing two works of similar nature each costing 40% of eAlso higher focus is required on how the content will be upgraded regular lestimated cost for work  Rs.15,13,27,800.00</p> <p>OR</p>	<p>1. Tata ClassEdge strongly recommends to alter the technical capability clause. This is a tender for education solution and Tata ClassEdge is into development of content and managing over 1700schools across the country have vast experience in digital learning solutions. However we were not participating in government tender as the requirements were generally not intended towards quality of solution. Now as MCGM is looking forward to upgrade the teaching-learning process, we find ourselves a scope for adding value together. As we do not have implemented projects worth as mentioned in the technical capability clause, does make us irrelevant or not competent to deliver this project. We have over 75Cr turnover YOY and delivering projects with success. Also the emphasis is given more on hardware in the tender, however such educational project should have more focus on the quality, pedegogy and the construct of the content. y and on the training support to teachers to use the digital classrooms with high usage of content. So that MCGM attain a higher ROI on the investment on one side and fulfil its vision to improve the quality of education in MCGM schools.</p> <p>We recommend either to change the technical eligibility either to 1. turnover or 2.in terms vintage of the content development or 3.the number of installations done in last 5years.</p>	<p><b>No change in the Tender clause.</b></p>
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	<p>c) One completed work or currently executing one work of similar nature of aggregate 60% of estimated cost for work Rs.22,69,91,700.00</p> <p>The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10 % per annum; calculated from the date of completion to last date of receipt of applications for tenders.</p> <p><b>*In case of ongoing works to be considered, the bidder must have received payment bills of 80% of the contract sum for the work/works executed last day of month previous to the one in which bids are invited.</b></p>	<p>2. 1. Please review the clause as the experience asked for is for civil construction.</p> <p>2. As project experience of last 7 years is being considered, please consider turnover too of last 7 years, if considering turnover from similar services.</p> <p>3. we request to change the clause as- "In case of ongoing works to be considered, the bidder must have received payment bills of <b>60% of the contract sum</b> for the work/works executed last day of month previous to the one in which bids are invited"</p> <p>4. The Experience of only digital class room is very restrictive condition. The experience of work of digital networking base shall be allowed.</p>	
11	<p><b>2.2 Financial Capacity</b> Page No.26</p> <p>Achieved a average annual financial turnover as certified by ‘Chartered Accountant’ (in all classes of civil engineering construction works only) equal to 30% of the estimated cost of work in last three (3) financial years immediately preceding the Financial Year in which bids are invited.</p> <p><input type="checkbox"/> To ascertain this, tenderer(s) shall furnish /upload the financial statement (Audited balance sheet) duly certified by</p>	<p>1. The clause mentioned is valid for Civil contractor and not relevent for the said tender. Kindly remove and ask for company turnover in last 3years.</p>	<p><b>The clause 2.2 Financial Capacity read as :</b>  Achieved a average annual financial turnover as certified by ‘Chartered Accountant equal to 30% of the estimated cost of work in last three (3) financial years immediately preceding the Financial Year in which bids are invited.</p> <p><input type="checkbox"/> To ascertain this,</p>

	Chartered Accountant. <input type="checkbox"/> The turnover can be enhanced by 10% every year to bring the present level.		tenderer(s) shall furnish /upload the financial statement (Audited balance sheet) duly certified by Chartered Accountant. <input type="checkbox"/> The turnover can be enhanced by 10% every year to bring the present level.
12	Section 2 Page No.28 The bidder should undertake their own studies and furnish with their bid, a detailed construction planning and methodology supported with assessment study of requirements of equipment/plants & machineries to allow the employer to review their proposal	As per the BOQ section, the bidder is supposed to provide the IFP, Digital content. However, as per the RFP Construction of plants/machineries is also required. Please clarify	<b>Not Applicable</b> (No Civil / Construction work is involved. Please Ref Scope of work for the required work to be done)
13	<b>b)New and Original Works:</b> Page No.28 The bidder should, undertake their own studies and furnish with their bid, a detailed construction planning and methodology supported with assessment study of requirements of equipment/plants & machineries to allow the employer to review their proposal. The bidder will ensure his	What kind of Construction work has to be done is not mentioned in tender. Please give clarity whether any Civil or Electrical work needs to be carried out by the Service Provider ?	<b>Not Applicable</b> (No Civil / Construction work is involved. Please Ref Scope of work for the required work to be done)

	<p>commitment to make the arrangements of the required equipment on the day of commencement or with respect to the progress of the work in phases, as per the instructions of site in charge on an undertaking on Rs.500 stamp paper to be submitted along with the Bid in Packet B. However, this condition in no way shall dilute the respective condition in Registration Rules of MCGM.</p>		
14	<p><b>E) Technical Personnel</b> Page No.28</p> <p>The contractor and/or its managerial staff should have qualification/experience appropriate to the function they fulfil. The minimum standard shall be increased by asking that at least one number or more of the contractor or its managerial staff have acquired qualifications or work experience to the needs of the contract. The minimum standard may also state that the person or persons responsible for managing the works must have a minimum of no's of years' experience working on similar nature of projects.</p> <p><b><i>For fixing requirement of Technical Staff as required for this work.</i></b></p>	<p>1. Qualification of Technical Staff as mentioned is for installation activity or for service support ?Kindly clarify</p> <p>2. Request you to remove this clause as technical Personal will be available as per the need of the project</p> <p>3. Kindly Provide clarity on the meaning of Fixing requirements. Does the manpower mentioned under the slab of more than 20 to 50 is required to be deployed in the project.</p> <p>4. The desired technical personals should be engaged in full time exclusively for this project for a tenure of 5yrs or till the termination of the project which ever is earlier</p> <p>5. In Page No. 28 of your tender document, we suggest</p>	<p>Necessary clarifications has been given at page no 62 in this corrigendum.</p>

		you to kindly remove the Requirement of Technical Staff as Technical Personal will not be required in this project, they will available as per the requirement of the project.	
15	Section 2 Page No.31 A) General Guidelines for Fixing Requirement of Technical Staff Page 31A) General Guidelines for Fixing Requirement of Technical Staff.	1. Kindly provide clarity on the context of Rate of recovery.	Necessary clarifications has been given at page no 62 in this corrigendum.
16	Clause(2.3)Page No.31 Proposed staff in Proforma IV of this tender document	2. We trully believe that the project is of supplying the smart classrooms in schools. However, construction work and requirement of "Project Manager with engineering" with 20 years of experience, Project Planning/ Billing Engineer, Deputy Project Manager etc indicates that the project is more concentrate towards construction work. Please justify.	Necessary clarifications has been given at page no 62 in this corrigendum.
17	<b>F) TIME PERIOD OF THE PROJECT:</b> Page No.33 Entire project should be completed and delivered within <b>Six (6) months</b> from the date of award of Letter of Acceptance that includes / <del>excludes</del> Monsoon.	1. Please specify whether the Time Period of the Project mentioned is only for IFP supply and Installation ? . If Yes it can be completed in 6 months  2. Please extend the time period and review the work completion deadlines as : 1. there are estimated 1300 nos. installations. Even if installation is started on day 1 and is evenly spread out, atleast 7 installations are required to be done each day which shall require huge manpower. 2. Some portion of the equipments shall be needed to be imported from countries like China. Given the present pandemic situation and import curbs, it may take some	( SITC of the said work has to be completed in 6 months) (Office Memorandum issued by Ministry of Finance u/n F.No.6/18/2019-PPD is enclosed herewith where participating bidder need to follow.) <b>No change in the Tender clause.</b>

		additional time to process imports.	
18	<b>J) Action when whole of security deposit is forfeited: a, b, c</b> Page No.34	34 j A ) TCE WOULD WANT MCGM TO GIVE A NOTICE IN TERMS OF ANY IDENTIFIED GAP AS PER THE TERMS OF THE AGREEMENT AND UPON NON FULFILLMENT OF OBLIGATION WITHIN THE STIPULATED TIMEFRAME; any condition of forfeiture comes in picture. Also we feel the condition is not much relevent in this tender. 34 j B & C) - The clauses mentioned are not relevant to the scope of work mentioned in the tender and would not be acceptable to TCE and should be removed	<b>No change in the Tender clause.</b>
19	<b>K) Contract may be rescinded and security deposit forfeited for bribing a public officer or if contractor becomes insolvent</b> Page No.36	We are OK with the clause except that we will assign or sub-let the work and that will not amount to a breach. We will be responsible for the acts of our vendors, however we will assign and outsource work.	<b>No change in the Tender clause.</b>
20	Page No.36 Valid Bank Solvency Certificate of Minimum Solvency amount of Rs. 30.00 Lac as governed by Registration Rules in force for respective Class of Contractor for Civil and M&E works	1. Contractor of Civil is not defined under the scope of work. We can only furnish the Solvency certificate from Nationalise Bank against the nature of our business i.e supply and implementation of smart classrooms in schools. 2. Request you to remove this clause as Turn over certificate and balance sheet are enough to prove the credibility of the bidder 3. Contractor of Civil is not defined under the scope of work.	<b>Read as : Valid Bank Solvency Certificate of Minimum Solvency amount of Rs. 8.00 Lac as governed by Registration Rules in force for respective Class of Contractor for M&amp;E works</b>

		<p>We can only furnish the Solvency certificate from Nationalise Bank against the nature of our business i.e supply and implementation of smart classrooms in schools.</p> <p>4. Only Valid Bank Solvency Certificate of Rs. 30 Lakh should be allowed</p> <p>5. we would like to suggest that kindly ask for Valid Bank Solvency Certificate of Min. Solvency of Rs. 30 Lacs instead of Minimum Solvency amount of Rs. 30.00 Lac as governed by Registration Rules in force for respective Class of Contractor for Civil and M&amp;E works.</p>	
21	<p>Page No.36 A document in support of Registration under Maharashtra 'VAT' Act 2002.</p>	<p>1. Please revise the clause as follows: A document in support of Registration under Maharashtra GST. Sales tax is no more valid as on date.</p> <p>2. This need to be changed to read in line with GST</p> <p>3. Request you to ask for valid GST Registration certificate from all the bidders.</p> <p>4. Please revise the clause as follows: A document in support of Registration under Maharashtra GST. Sales tax is no more valid as on date. Registration under Maharashtra VAT Act 2002 should be removed so bidders outside Maharashtra can participate in this tender.</p> <p>5. we would like to suggest that kindly allow all bidders who have GST Registration Certificate instead of Registration under Maharashtra 'VAT' Act 2002.</p>	<p>Read as : A document in support of Registration under 'GST' Act 2017.</p>
22	<p>Page 37 : PACKET - B The Packet 'B' shall contain scanned certified copies of the following documents -</p>	<p>Kindly consider for last seven years instead of five years as provided in Clause 2.1.</p>	<p>a) The list of similar type of works as stated in para 'A' of Post qualification successfully completed during the <u>last Seven years</u> in</p>



	a) The list of similar type of works as stated in para 'A' of Post qualification successfully completed during the <u>last five years</u> in prescribed proforma,		prescribed proforma,
23	Clause No.8 Page No.39 vi)The undertaking of Rs.500/- stamp paper as per the proforma annexed in 'Annexure B, C & E'	Annexure E is not inserted in the Tender document.	Read 'Annexure A' at page no 148 as 'Annexure E'
24	Clause No.8 Page No.40 The tenderers shall upload work plan as per the following outline: 1. GANTT chart/ PERT/ CPM chart showing the completion of work within prescribed time period, considering major activities. 2. Organizational set up envisaged by the contractors. 3. Plant & equipment proposed to be deployed for this work. 4. Site Offices and Laboratories proposed to be set up.	<p>1. Please clarify, the purpose of laboratories, plant and equipment. The scope of work says, the project is based on smart classrooms in schools</p> <p>2. Please clarify why The Electrical / Mechanical work shall be carried out by the civil contractors through the contractors registered with MCGM in Electrical Category?</p> <p>3. Request you to ask for work plan after successful award of contract. This is not required for every bidders to submit the work plan.</p> <p>4. Work Plan mentioned in your above cited tender document should be removed as it is not required for Interactive Panels.</p>	<p><b>Read as : The tenderers shall upload work plan as per the following outline:</b></p> <p><b>1. GANTT chart/ PERT/ CPM chart showing the completion of work within prescribed time period, considering major activities.</b></p> <p><b>2. Not Applicable</b></p> <p><b>3. Not Applicable</b></p> <p><b>4. Not Applicable</b></p> <p>(Point wise explanation is as follows.</p> <p>1.Not Applicable</p> <p>2. The Electrical / Mechanical work shall be carried out by the Electrical / Mechanical</p>

		5. kindly remove the work plan mentioned at Packet B under Point No. VIII so that maximum number of bidders can participate in the above said tender which results a better competition	registered contractor. 3.4. & 5. Work plan is to know the tentative progress to be achieved during the scheduled completion period)
25	Clause No.2 Page No.40 The successful bidder shall submit valid registration certificate under E.S.I.C., Act 1948, if the tenderer has more than 10 employees /persons on his establishment (in case of production by use of energy) and 20 employees/persons on his establishment (in case of production without use of energy) to MCGM as and when demanded.	1. We are registered under ESIC but we are into smart classroom business. We cannot calculate the production by use of energy.	(Registration Certificate in Electrical Contractor is required for carrying out the Electrical work required for installation of Digital panel) <b>No change in the Tender clause.</b>
26	Page No.40 <b>Note:</b> The Electrical / Mechanical work shall be got carried out by the civil contractors through the contractors registered with MCGM in Electrical Category. Information about the registered contractors shall be obtained from the office of the Ch.E. (M&E)/ E.E. (Monitoring & Registration Cell). Attested scanned copy of the valid registration certificate in Electrical Category shall be uploaded with the tender along with the undertaking from the registered Electrical Contractor stating his willingness to carry out the tender work.	1. Request you to remove this clause as Valid registration certificate in Electrical Category or undertaking from the registered Electrical Contractor are not applicable for IT bidders. 2. Registration Certificate in Electrical Contractor is not required for IT companies/bidders. Hence, we request you to remove the same. 3. kindly remove Registration Certificate in Electrical Contractor as it is not applicable for IT bidders	(Registration Certificate in Electrical Contractor is required for carrying out the Electrical work required for installation of Digital panel) <b>No change in the Tender clause.</b>

27	<p>Page No.42/43 Curable Defect shall mean shortfalls in submission such as:</p> <p>i)Non-submission of following documents, Valid Registration Certificate</p> <p>ii)Valid Bank Solvency</p> <p>iii)Sales Tax Registration Certificate (VAT)</p> <p>iv)Certified Copies of PAN documents and photographs of individuals, owners, etc.</p> <p>v)Partnership Deed and any other documents</p> <p>vi)Undertakings as mentioned in the tender document.</p> <p>vii)Details of Litigation History</p> <p>ii) Non-curable Defect shall mean</p> <p>a) Wrong calculation of Bid Capacity,</p> <p>b) No proper submission of experience certificates and other documents, etc.</p> <p>c) In-adequate submission of EMD/ASD amount,</p> <p>d) In-adequacy of technical and financial capacity with respect to Eligibility criteria as stipulated in the tender.</p>	<p>1. Please clarify what consists of Curable and Non curable Defects? In Page No 43 under Curable Defect Shortfall</p> <p>2. Sales Tax Registration Certificate (VAT) TCE recommends to change it to GST as VAT is no more relevant and has been removed</p>	<p>(Non responsive bidder under Non-Curable defects is liable to deduct/ forfeit the EMD amount as per tender clause whereas Non responsive bidder under Curable defects is not liable to deduct/ forfeit the EMD amount. The clause has been explained at pg. no. 42/43 in Tender Document)</p> <p><b>Read as: iii)Sales Tax Registration Certificate (VAT) as GST registration certificate in tender document pg. no.43</b></p>
28	<p>DEFECT LIABILITY PERIOD</p> <p>Page No.44</p> <ul style="list-style-type: none"> <li>The Defect Liability Period (DLP) for the work is 05 Years.</li> </ul>	<p><b>1.Technical</b></p> <p>Please clarify whether TCE needs to carry out activities like structural defects results in cracks or collapse of faulty defective plumbing, inadequate or faulty drainage system, inadequate or faulty ventilation, cooling or heating systems, inadequate fire</p>	<p>(No Civil / Construction work is involved. Please Ref Scope of work for the required work to be done ( Warranty of the Product and Educational contents is for 5</p>

		<p>systems etc.?</p> <p><b>Legal</b></p> <p>1. TCE will only warrant for what is expressly mentioned in the agreement to be signed. We do not agree to any implied warranties or implied quality.</p> <p>2. Also, Defect Liability Period is applicable to construction projects and not to service industry. Please Clarify</p> <p>However it not relevent for this tender</p>	<p>years, hence DLP is for 5 years)</p>
		<p>2.The defect Liability Period should start on delivery challan basis, i.e. when the product is supplied to the school/schools, the defect liability period for those schools should start from the date of delivery challan.</p>	<p>(Defect Liability Period is consider from successful commissioning of complete project)</p>
		<p>3. The defect Liability Period should be 1 year only</p>	<p>(Defect Liability Period change as per tender)</p>
		<p>4.Defect Liability period is 5 years for the HW and SW supplied. The bidder shall maintain the complete system during this period</p>	<p><b>No change in the Tender clause.</b></p>
29	<p>Page No.46</p> <p>A. <b>Security Deposit</b></p> <p>B. <b>Add. Security Deposit</b></p> <p>C. <b>Performance Guarantee</b></p>	<p>1. MCGM to provide the BG Text so that the same can reviewed by Tata Classedge &amp; the bank.</p> <p>2.Will Bank Guarantee (BG), will be acceptable as Contract Deposit?</p> <p>3.Will Bank Guarantee (BG), will be acceptable as additi</p>	<p>( Refer the Clauses at pg no. 46 )</p> <p>(Yes,Bank Guarantee (BG), will be acceptable as Contract Deposit. Refer the clause for Security Deposit )</p>

		onal Security Deposit?	(Security Deposit and Performance Gaurentee are applicable for this Tender and Retention Amount is not applicable)  <b>No change in the Tender clause.</b>
		4. Will EMD will be converted into performance guarantee, or performance guarantee is different, if so, are we eligible to get refund of EMD?	
		5. Discrepancy on the Security Deposit and PG. As per page 46, Retention Amount is struck out, however in tender on Page 82 retention amounts percentage is calculated. Requesting you to please bring clarity.	
30	Section 6, Page No. 50 Stamp Duty	Is Stamp duty applicable on Bank Guarantee right from the beginning and for all renewals time to time?	<b>Yes</b>
31	Section 7, Page No. 54 1. Successful bidder shall visit the sites and observe the quantum of work.	1. Provide List of schools with addresses & contact details Please provide us format of : a) Supply of hardware & Software Delivery Challan b) Installation Report                      c) Testing Report d) Commissioning and Training Report  2. Please provide list of sites.	<b>List attached</b>
32	5. The work shall be carried out as per schedule of quantities and USOR 2018 and specifications given in the tender.	What is USOR	(Unified schedule of rates 2018 and it is available on MCGM portal)
33	6. Successful bidder shall provide suitable box for UPS. No extra payment shall be made for the same.	As the UPS shall protect the IFP from electrical failure, we request you to provide a suitable specification for UPS to fit the purpose. And also the battery back-up time. It is well appreciated that the bid has mentioned that, the UPS and battery should be kept in a box as the same shall be	(Necessary changes has been made at serial no. 105 of this Notification.)  <b>No change in the Tender clause.</b>

		used inside the classroom	
34	Section 7, Page No.54 8. The Successful bidder should get all the material inspected/approved before execution of work.	Please provide us format of : a) Supply of hardware & Software Delivery Challan b) Installation Report            c) Testing Report d) Commissioning and Training Report	(Formats can be provided to the successful bidder at the time of carrying out concern work.) <b>No change in the Tender clause.</b>
35	10. The contractor shall shift the interactive panel for digital class room to another class room in same school or different school as required by E.O.Dept without extra cost. The quantity shall not be exceeding 5% of total digital class rooms.	Do we need to shift the unit multiple times? As per our understanding of this clause- maximum shifts allowed with no extra costs shall be 5% of 1,300 classrooms i.e. is 65 times. Please specify	( Yes, there may be chances of shifting of School / classroom as per the site conditions) <b>No change in the Tender clause.</b>
36	11. The contractor shall obtain suggestion regarding any addition in e-Learning Multimedia Content before dispatch of computing device if requested by E.O. dept.	Is creation of the e-learning content within the scope of the contractor?	(Yes, providing of the e-learning content along with developing and upgradation is within the scope of the contractor ) <b>No change in the Tender clause.</b>
37	12. Teachers Training: 1 Teacher per school on a cluster basis in a batch size of 30 teachers, 1 day initial and 1 day refresher training every three (3) month for a period of 1 year.(all in batch size of 30)	1.clarification regarding a) nomination of teachers, b) what will be the venue, c) date and time of training 2. The venue for the teacher training and the TA and DA of teachers shall be paid by the Dept. The respective education officer shall facilitate the venue and nominate teachers consulting with municipal schools.	( All the expenses towards the Training will be borne by the contractor) (Training shall be arranged in Municipal schools with necessary permission of E.O.) <b>No change in the Tender clause.</b>

38	Section 7, Page No.54 18. On receiving complaint about equipment or services, the Contractor will respond and repair/replace or provide required services as per the schedule given below:	In cases where damage occurred is not covered under manufacturing defects, 'Employer' will have to bear the expenses & penalty will not be applicable.	(Major physical damage caused by untoward incidence is not covered under manufacturing defects) <b>No change in the Tender clause.</b>
39	21 . <b>Warranty Period:</b> The On - site warranty period of all the items in the BOQ shall be of five (05) years.	1.Warranty period for Software should be upto 'DLP' only 2. The On - site warranty period of all the items except the battery of UPS in the BOQ shall be of five (05) years. The warranty of the battery for UPS should be for a period of 1 year.	<b>No change in the Tender clause.</b>
40	Section 7, Page No.54 The Electrical work shall be carried out through valid PWD Electrical Licence contractor only.	1. Who will perform the electrical work 2.kindly remove the point mentioned in Scope of Work under Point No. 7- The Electrical work shall be carried out through valid PWD Electrical License contractor only 3. Request you to remove this clause as Valid registration certificate in Electrical Category or undertaking from the registered Electrical Contractor are not applicable for IT bidders. 4. Who will perform the electrical work	( Explained at Sr. no. 25 in this notification) <b>No change in the Tender clause.</b>
41	<b>SCOPE OF WORK</b> Page No.54 10. The contractor shall shift the interactive panel for digital class room to another class	1.Additional cost needs to be paid by MCGM for shifting of classrooms as involves cost. 2. In BOQ no mention of trainings. Costing for the	(Explained at Sr. no. 25 in this notification) ( Training for period of one year is in the scope of

	<p>room in same school or different school as required by E.O.Dept without extra cost. The quantity shall not be exceeding 5% of total digital class rooms.</p> <p>11. The contractor shall obtain suggestion regarding any addition in e-Learning Multimedia Content before dispatch of computing device if requested by E.O. dept.</p> <p>12. Teachers Training: Teacher per school on a cluster basis in a batch size of 30 teachers, 1 day initial and 1 day refresher training every three (3) month for a period of 1 year.(all in batch size of 30)</p>	<p>training needs to be built in additionally.</p>	<p>successful bidder) <b>No change in the Tender clause.</b></p>
42	<p><b>SCOPE OF WORK</b> Page No.55 Point 15-Retrieval of user data (Contractor shall diagnose and rectify all virus and security problem and ensure retrieval of user data to the maximum extent possible. Contractor will be responsible for system upgrade/update of interactive panels at all locations.</p>	<p>WE donot provide such services. The users are supposed to take care of the same.</p>	<p><b>No change in the Tender clause.</b></p>
43	<p><b>SCOPE OF WORK</b> Page No.55 Point 16 Contractor should follow &amp; maintain the IT Security Policy as per MCGM Norms</p>	<p>1. MCGM to share IT Security Policy document. 2. Kindly clarify or specify the norms</p>	<p>(Kindly refer MCGM Portal) <b>No change in the Tender clause.</b></p>



44	<p><b>SCOPE OF WORK</b> Page No.55 Point 18 On receiving complaint about equipment or services, the Contractor will respond and repair/replace or provide required services as per the schedule given below:</p>	Service cost to be considered separately so kindly make necessary changes	(5 years DLP covers repairs, replacement, services and upgradation of educational contain) <b>No change in the Tender clause.</b>
45	<b>BILL OF QUANTITIES</b> Page No.58	1. Please clarify what exactly is meant by 2/3 Pin independent plug (IP)?. Also we get installation through our partners and the scope of work does not mention of any electrical work to be done. Either remove or clarify on the scope of work in detail item wise	( Kindly refer Scope of Work, Price inclusive of GST) ( Refer Sr. no. 35 of this notification) ( Installation work involves electrical work & same is included) <b>No change in the Tender clause.</b>
		2. The prices given are inclusive of taxes or taxes are additional?	
46	<p>1. <b>Engineer's Decisions</b> Page No.63 1.1. Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing the Employer. However, if the Engineer is required under the rules and regulations and orders of the Employer to obtain prior approval of some other authorities for specific actions, he will so obtain the approval, before communicating his decision to the Contractor. 1.2. Except as expressly stated in the Contract, the Engineer shall not have any</p>	Scope of work will be as per the tender document and should not be altered by engineer. Also the make/brand will be decided by Tata Classedge and not by the engineer.	<b>No change in the Tender clause.</b>

	authority to relieve the Contractor of any of his obligations under the contract. 1.3.		
47	<p><b>6. Subcontracting</b> Page No.64</p> <p>Unless specifically mentioned in the contract subletting will not be allowed. Subletting, where otherwise provided by the contract shall not be more than 25% of the contract price.</p>	<p>1. Section 6 - TCE will be subcontracting entire hardware installation activity to our partners.</p> <p>Subletting shall not be more than 25% of the contract price -TCE will engage our partners for hardware Networking installation activity.</p> <p>2.Is sub-contracting allowed under this project, if 'yes' the n to what extent and simmlar criteria, and if 'No' than why on page 54 point n o.7 it is written that " The electrical work shall be carried out through valid P WD Electrical Licence contractor only</p> <p>3.Kindly allow sub-contracting</p> <p>4.The reference of tender /agreement of contractor should be referred in the letter of satisfactory execution / work order in case of sub-contractor.</p>	<p><b>Read as, in the continuation of point no.6.1, page no. 64 : Subcontracting is allowed. Mandatory condition: Prime contractor shall nominate subcontractor for Digital Educational Content. If prime contractor fails to upgrade the Educational content, MCGM will carry out the upgradation from the nominated subcontractor at the risk and cost of prime contractor. Bidder shall nominate subcontractor in 'Packet B'</b></p>
48	<p><b>7 Other Contractors</b> Page No.65</p> <p>7.1 The Contractor shall cooperate and share the Site with other Contractors, public authorities, utilities, and the Employer between the dates given in the</p>	<p>Subletting shall not be more than 25% of the contract price - We will enagage our partners for hardware networking installaiton actiivty.</p>	<p><b>No change in the Tender clause.</b></p>

	Schedule of Other Contractors, as referred to in the Contract Data. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification.		
49	Page 68 to 71 point no 16, 17,18, 20,21,22 The Works and Routine Maintenance / Approval by the Engineer /Safety/ Discoveries / Possession of the Site /Access to the Site / Instructions	Please clarify what are the below activities for :Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles. · Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals. · The workers engaged for cleaning the manholes/sewers should be properly trained before allowing working in the manhole.	<b>Not applicable for this Tender</b>
50	Clause No.17.5 Page No.69 Approval by the Engineer : All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Engineer before their use.	The requirement is not getting matched as per the Scope of work and BOQ. Please clarify	<b>Drawing Approval is not applicable</b>
51	Clause No.18.3.6 Pg No.70 A person in charge of the First-aid box shall	Please help me to understand the use of First aid box in smart classrooms	<b>Not applicable</b>

	be a person trained in First-aid treatment, in the work places where the number of contract labour employed is 150 or more.		
52	<p>Time Control Clause No.22.5 Page 72</p> <p>The Contractor shall submit the list of equipment and machinery being brought to site, the list of key personnel being deployed, the list of machinery/ equipments being placed in field laboratory and the location of field laboratory along with the Programme. The Engineer shall cause these details to be verified at each appropriate stage of the programme</p>	<p>This clause is applicale to Civil work and for this tender . Clarification required from MCGM</p>	<p><b>Not applicable</b> ( Submission of List of tools required for fixing of Interactive Panel and to carry out other related work, which has to be taken back after completion of work to the concern authority at the school is must)</p>
53	<p>Page 72 point no 23 Extension Of Time In Contracts</p>	<p>This clause is applicale to Civil work and for this tender . Clarification required from MCGM</p>	<p>(Extension Of Time In Contracts is applicable in context of Scope of work of Digital classroom) <b>No change in the Tender clause.</b></p>
54	<p>Page 74, 75,76, 77 point no 26 C Quality Control</p>	<p>Since this tender is for the supply of Hardware &amp; the content. Tata Classedge will ensure as per the specification in the tender &amp; while inspection/testing the concerned department should follow the specification notified in the tender document and the hardware supplied by us.</p>	<p>( The inspection/ testing will be carried out as per Technical specification of this tender) <b>No change in the Tender clause.</b></p>

55	<p>Page 79 point no 33,34  <b>Cash Flow Forecasts</b>  When the Programme is updated, the Contractor shall provide the Engineer with an updated cash flow forecast.</p>	<p>Is there any format for Cash Flow Forecast? What exactly is needed in Cash Flow Forecast kindly share</p>	<p><b>Not applicable</b></p>
56	<p>Page 80 point no 35  <b>Payments</b>  Payments shall be adjusted for deductions for advance payments, retention, security deposit, other recoveries in terms of the Contract and taxes at source, as applicable under the law. The Employer shall pay the Contractor the amounts certified by the Engineer within 15 days of the date of each certificate</p>	<p>Need to understand Scope of Work. Are we required to construct a classroom? Kindly clarify</p> <p>1.In case where, the Contractor had produced the bill/ interim bill against the completion of work, but after submission of such bill, some unforeseen/ act of god situation happened ( very similar to lockdown in ' COVID-19' situation) happened, what will be the payment schedule under such circumstances.</p> <p>2.Requesting you to please bring clarity on it. Considering the volume of the project we request for and advance amount of 40% towards material procurement. Also, after supply and if the site is not ready, then payment for supply of the material should be made based on Site Not Ready report.</p>	<p>( Bidder shall carry out work of SITC of Interactive panel and not Classroom)</p> <p>(1.If the work is completed successfully then under any circumstance payment is made.)  (2. No advance payment is applicable for this work. Refer the payment clause. Executed work payment clarified on pg no.34 point 71 of this corrigendum.)</p> <p><b>No change in the Tender clause.</b></p>
57	<p>Page 80 : Point no.35.3  ..... But in the case of works estimated to cost more than Rs. One Thousand, the contractor shall on submitting a monthly bill therefore be entitled to receive payment proportionate to the part of the</p>	<p>The project is capital-intensive and will require mobilisation advance as well as frequent payment against the installations. Kindly review the payment mechanism.</p>	<p>( Refer the payment clause at 56 of this corrigendum.)</p> <p><b>No change in the Tender clause.</b></p>

	work than approved and passed by the Engineer In-charge, whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the contractor.....		
58	Page no 80 point no 37  Tax	1.As per TCE Any increase in the Tax liability in future is to be borne by MCGM.  2.what will be the applicable head and rate for Income Tax TDS under this Contract Is GST TDS Applicable under this contract  3.As per TCE Any increase in the Tax liability in future is to be borne by MCGM.	( Refer the Tender clause at Page no 80 point no 37)  ( Not accepted)  <b>No change in the Tender clause.</b>
59	Page no 81 point no 39 <b>2. Liquidated Damages</b> The parties have agreed that the Contractor shall pay liquidated damages to the Employer and not by way of penalty, at the rate per week or part thereof stated in the Contract Data for the period that the Completion Date is later than the Intended Completion Date. Page 67 - The Engineer will clarify queries on the Contract Data.	Need contract data and more clarity on this part.	( Refer the Tender clause at Page no 81 point no 39)  <b>No change in the Tender clause.</b>
60	Page no 81 point no 40  <b>Cost of Repairs</b>  Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects	The Cost of Repairs due to negligence of MCGM/Schools need to be borne by MCGM.	( Refer Sr no.38 of this notification )  <b>No change in the Tender clause.</b>

	Correction periods shall be remedied by the Contractor at his cost if the loss or damage arises from the Contractor's acts or omissions.		
61	Page no 83 point no 46 <b>Termination</b>  The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.	Need clarification that once the tender is awarded, how would it be terminated if the supply is been concluded. Also need to understand who is Employer in this case	( Pl refer pg. no. 83 pt. 45.2 and pg. no.61)  <b>No change in the Tender clause.</b>
62	Page 84 point no 47, 48 Property / Release from Performance	Sections 47 and 48 is applicable to construction projects and road contracts and not for Tata ClassEdge. Please clarify.	The clause to be read in contexted of Scope of Work (Digital classroom) <b>No change in the Tender clause.</b>
63	Page 85 point no 49,50 &51  Other Conditions of Contract - Labour & Compliance with Labour Regulations	This clause is not applicable to Tata ClassEdge for the kind of service that we are providing. This is usually in Road Contracts and construction work contracts. Please clarify . However, we comply with all prescribed labour laws. Also define the intervals and type of the photographs required in advance.	(Contractor shall, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport) (Contractor shall take photograph after the completion of the work and submit with work completion report) <b>No change in the Tender clause.</b>

64	Page 86 point no 52 The Apprentices Act, 1961	This clause is Not applicable to Tata ClassEdge for the kind of services that we are providing. Besides that, we do provide training to our staff and employees. Please clarify	<b>Not Applicable.</b>
65	Page 91 point no 67 Inspection of site and sufficiency of tender	Exact scope of work to be performed is not very clear from the tender. Moreover in this present COVID situation site inspection is a challenge. MCGM to confirm site readiness of all school before supply of materials and any delay in site readiness will not account for delay in project completion.	(Due to Covid, Inspection before supply is not applicable, however on site inspection is applicable at every stage of work subjected to submission/ compliance of necessary document/ test certificates. List of school is attached in this corrigendum.) <b>No change in the Tender clause.</b>
66	Page 94 point no 70 Patent, Right and Royalties	1. This clause is Not applicable to Tata ClassEdge based on the industry and the service that we are providing. This is applicable to construction work industry. 2. TCE will indemnify MCGM for breach of any IP as IPR of the content is owned by TCE and will always belong to TCE. The same will not be transferred and TCE is only licensing our content to MCGM to use the same for license fee and for the period of the contract.	(Pl refer pg. no. 94 pt. no. 70) <b>No change in the Tender clause.</b>
67	Page 94 point no 71 Payments, Tax and Claims	We feel that the clause says that Interest will not be paid if there is delay on the part of the Municipal Corporation of Greater Bombay or its Engineer or Officers in making periodical or final payments or in any other respect whatever. This is not acceptable and in case delay from MCGM side, MCGM is liable to pay interest @18% per	<b>No change in the Tender clause.</b>



		annum	
68	<p>Page 94,95,96 point no 72,73,74,74,75,76 &amp;77</p> <p>Settlement of Disputes, Arbitration and Jurisdiction, Copyright, Receipts to be signed in firm's name , Proprietary data , Correspondence with the Applicant</p>	<p>1. Section 72 is applicable to partnerships and proprietary firms and TCE is neither of them.</p> <p>2. Section 73 - This section is not applicable as the amended section mentioned on page 150 is applicable.</p> <p>3. Section 74 - This section is applicable to contractors for construction work and not our kind of services. IPR of the content is owned by TCE and will always belong to TCE. The same will not be transfred and we are only licensing our content to MCGM to use the same for license fee.</p> <p>4. Section 75 - This is applicable to partnership firms and not for TCE</p> <p>5. Section 76 - TCE cannot agree to Section 76. Proprietary Information owned by a party will always remain with such party and will not be transferred or assigned. If MCGM is the owner then the owenrship of such Proprietary Information remains with MCGM and if TCE is the owner of such Proprietary Information that is shared then TCE will remain the owner. Nothing is transferred to each other.</p>	<p>( Section 72 is applicable to catagories of bidder, TCE cannot be exempted from the said General Contract Conditions. Pl refer Page 94,95,96 point no 72,73,74,74,75,76 &amp;77 all the clause are applicable for the said tender)</p> <p><b>No change in the Tender clause.</b></p>
69	<p>Page 97 point no 78</p> <p>Price Variation Clause</p>	<p>I think this clause is relevant for Civil Work wherein prices of certain commodities are controlled by the Government. We are not dealing into any commodity which has link with the prices. Please raise this query and understand scope of our work post which will be able to comment</p>	<p>(No price variation is accepted)</p> <p><b>No change in the Tender clause.</b></p>
70	<p>Page 100, 101 point no 79 &amp; 80</p>	<p>We require MCGM to provide 25% advance upon the tender is awarded to us against the adavance bank</p>	<p>( Pl refer Page 100, 101 point no 79 &amp; 80)</p>

	Maximum Price Variation , Payment Schedule	gurance within 15days.Anyways we would be giving the security & PBG. Also the payment is to be paid within 21days of the bill submission, else 18% interest will be charged.	<b>No change in the Tender clause.</b>
71	Page 101 point no 80 <b>Payment</b> Payment Schedule: 70% against supply of material. 10% against installation. 10% against testing. 10% against commissioning/Training.	We require MCGM to provide 25% advance upon the tender is awarded to us against the advance bank gurantee within 15days.Anyways we would be giving the security & PBG	<b>Read as Payment Schedule: 60% against supply of material. 20% against installation and testing. 4% against review/upgradation etc. in 1<sup>st</sup> year 4% against review/upgradation etc. 2<sup>nd</sup> year 4% against review/upgradation etc. 3<sup>rd</sup> year 4% against review/upgradation etc. 4<sup>th</sup> year 4% against review/upgradation etc. 5<sup>th</sup> year</b>
72	Page 102 point no 81  Banning/De-Registration of Agencies	Kindly provide Contractor Registration Rules for review.	( Pl refer Monitoring cell on MCGM portal ) <b>No change in the Tender clause.</b>
73	Page 102 point no 82  <b>JOINT VENTURE (Not applicable for this tender)</b>	Allow joint venture for this tender and if 'yes' than please specify the applicable guidelines  Please allow joint venture and aggregation of experience for eligibility.	(Refer Subcontracting clause 47 at pg. no.26 in this notification ) <b>No change in the Tender clause.</b>

		<p>Consortium should be allowed so that more and more parties can participate and will bring the project cost down.</p> <p>4. Kindly consider works done as consortium member too</p> <p>Maximum two companies can form JV / Consortium. Consortium bidding is allowed only if One of them is an Education Technology company and the consortium is collectively fulfilling the eligibility criteria.</p>	
74	Page 106, 107 point no 83 Compensation for delay	We need to consider cost if there is probability of delay to complete the work	<b>No change in the Tender clause.</b>
75	Page 107 & 108 point no 84, 85 & 86  Action And Compensation Payable, Contractors remain liable to pay compensation Contractors remain liable to pay compensation: No Claim To Any Payment Or Compensation Or Alteration In Or Restriction Of Work	<p>As per TCE Default in Work clauses are pertaining to construction work and not in scope of TCE. Please clarify</p> <p>Point 84/ 85- We would recommend that MCGM should provide us a notice of 15days for any identified gap and we will ratify the same within stipulated timeframe as mutually agreed. And any compensation can be undertaken once we do not fullfill our obligations.</p> <p>Point 86 - We identify this as not relavent and nor applicable to the kind of requiriements in scope of the tender in discussion. TCE recommends to remove it</p>	<b>No change in the Tender clause.</b>
76	Page 108, 109 point no 86 No Claim To Any Payment Or Compensation Or Alteration In Or Restriction of work	We feel it is not valid for the tender. Recommend to remove.	<b>No change in the Tender clause.</b>
77	Page 110, 111 point no 91, 92, 93 & 94 Action where no specifications , Safety and medical help , Anti-malaria and other health	This clause is applicale to Civil work and for this tender . Clarification required from MCGM	( Pl refer Page 100, 111 point no 91, 92, 93 & 94) <b>No change in the Tender</b>

	measures		clause.
78	Section 10 Page No.113, Sr. no. 1 Interactive Display Panel of 65 inch	<p>1.Diagonal Size – 65’’ would be too small for the classroom Setup, we recommend to go for 75’’ Diagonal also Request to share the classroom layout or specification to further analysis. The Student sitting at the last bench should see the content clearly with ease that should be the objective. Request committee to consider this point.</p> <p>2. For classrooms of the BMC a minimum size of 75’’ or 85’’ is required 65’’ is very small as per the AV norms.</p>	<b>No change as per technical specification</b>
79	Section 10 Page No.113, Sr. no. 3 Resolution - FHD	<p>1.Resolution - 4K (3840x2160 pixels); Justification: Today the content getting published &amp; created is all 4K resolution and the industry is moving even upwards 4K resolution in terms of projection &amp; display devices (New Launches). Minimum resolution department should opt in given the devices have to be used in education segment is 4k (3840x2160 Pixels). Somebody providing FHD in current era of 4K will be selling End of life product &amp; technology.</p> <p>2.Higher resolution is required for playing digital content in Better quality</p> <p>3. It is requested to change it to 4K- 3840*2160 (pixels) as the Full HD is an obsolete technology.</p> <p>4. 4K it’s the latest Technology and giver better Picture</p>	<b>Read as : Resolution – 4K</b>

		<p>Quality, also works well in High/low light. 3840* 2160 (4K Resolution) FHD Resolution is obsolete</p> <p>5.4K it's the latest Technology and give better Picture Quality, also works well in High/low light. 3840* 2160 (4K Resolution) FHD Resolution is obsolete</p> <p>6.Queries: The resolution should be of latest resolution of 4K-UHD Suggestions: Resolution: 4K-UHD</p> <p>7.In last few years , FHD display is been upgraded with UHD resolution , Government should invest in product with latest configuration.</p> <p>8.Its 4k Specification which is industry standard</p> <p>9.Resolution: 4K-UHD</p> <p>10.Full HD: It should be amended as Ultra HD 4K for best picture quality.</p> <p>11.Full HD is old resolution latest is 4k / UHD 3840 x 2160</p> <p>12.Ultra HD 4K (3840x2160)</p> <p>13.Industry standard is 4K.</p> <p>14. Resolution - 4K (3840x2160 pixels)</p>	
80	Section 10 Page No.113, Sr. no. 5 Brightness - 450 Nits	<p>1.Brightness - 350 Nits; Justification: 450 nits sought for INDOOR usage on touch interactive panels is very high brightness. Usage inside the classroom for the students and teachers working in close proximity to the panel will lead to high impact on the eye sight of students &amp; teachers. Anything between 300 to 350 Nits is recommended for usage indoors &amp; specific to education institutions given it is</p>	<b>Read as : 350 Nits or Better</b>

		<p>long hours of usage by teachers &amp; students.</p> <p>2.Eye Care - TUV Certified Low Blue Light Technology; Justification:The teachers would be spending 6 to 8 hours on panel and a certain Blue light intensity is harmful for the eyes. This harmful Blue light affects the Retina of an eye with long-term exposure. This technology is already common in mobile phones. Reference link on Low Blue light exposure: <a href="https://www.allaboutvision.com/en-in/digital-devices/blue-light">https://www.allaboutvision.com/en-in/digital-devices/blue-light</a></p>	
		<p>3.Eye Care - TUV Certified Flicker Free Technology; Justification: The Human eye is most sensitive to flicker at the edges of the human field. Long-term exposure to flicker may result in symptoms like dizziness, fatigue, headaches and nausea. ReferenceLink: <a href="https://en.wikipedia.org/wiki/Flicker_(screen)">https://en.wikipedia.org/wiki/Flicker_(screen)</a></p> <p>4.Point 5 : As per the Industry standards the general brightness varies between 300 to 370 nits. Hence the Brightness(Typical/Minimum) 350cd/m<sup>2</sup> or better.(Tender is specifying 450 )</p> <p>5.As the application is indoor, a 350 cd/m<sup>2</sup> (350 nits) brightness is recommended as it will be more comfortable and will not stain the eyes of users.</p> <p>6.Minimum 600 nits must be required since there is ambient light in classroom and to ensure that the students sitting on the last bench of the classroom are also able to view the display clearly.</p> <p>7.We want you to amend and change to 350 nits as it will</p>	

	allow all top brands qualify.	
	8.High brightness usage inside the classroom for the students and teachers working in close proximity to the panel will lead to high impact on the eye sight of students & teachers. Therefore, it is suggested to have 300-360 nits.	
	9.Currently the brightness stated in the tender is just 450cd/m2 while when we add the tempered glass on the panel the brightness goes down to 15 to 20% depending upon Brand to brand therefore it would be in the interest of the BMC to enhance the brightness level to min 500cd/m2 or higher so that the kids enjoy optimum brightness level in the day time in their class room.	
	10.Request to change as 350 nits is more than enough for a classroom environment	
	11.Suggestions: Brightness (Typical/Minimum) 350cd/m2 or better	
	12.Higher brightness is not required in Interactive display as it can directly create strain on eyes of teacher while writing on display.	
	13.Remove 450 nits as 450 cd/m2 is a better unit	
	14.Brightness (Typical/Minimum) 350cd/m2 or better	
	15.Brightness - 450 cd/m2 (450 nits): It should be amended as Min 600 Nits better display.	
	16.We request you to amend Brightness minimum 350Nits or Higher after touch Panel, 350 Nits is enough for class room and many reputed Manufacturers are	

		having this.	
		17.Hence we request the dept. to modify this clause as 350 nits or higher.	
		18.Min: 600 Nits or Higher	
		19.As 450 cd/m2 is a better unit, 450 nits should be removed	
		20.Brightness - 350 Nits	
81	Section 10 Page No.113, Sr. no. 6 Wifi	1.Upgraded specifications must have been asked. These are latest and also cost effective. 2.It is requested to further elaborate the model required for Wifi. In built Dual Band Wifi 2.4GHz & 5Ghz. With Dual Mode, ability with Hotspot feature is suggested. 3.Upgraded specifications have been offered which are latest and also cost effective.	<b>No change as per technical specification</b>
82	Section 10 Page No.113, Sr. no. 7 Life - Minimum 50,000 Hours	1.Please change to 30,000 Hour or Higher 2.Change to 30,000 Hour 3.we request the dept. to ammend this clause to minimum 30,000 hrs or higher	<b>No change as per technical specification</b>
83	Section 10 Page No.113, Sr. no. 8 Audio : with zero power consumption	1.Minimum 50 watt Speaker output must be required since there will large numbers of student in classroom obviously and to ensure that the student sitting on the last bench of the classroom are also be able to hear the sound clearly. 2.speaker watts are crucial 3.Minimum 50 watt Speaker output is required 4.Request to specify as:	<b>Read as : With Optimum output</b>



		2x15 Watts or above with zero power consumption	
84	Section 10 Page No.113, Sr. no. 9 Connectivity Ports : 2HDMI,2USB	<p>1.We request you to change the minimum specification from " 2USB" to '1' USB or higher, as the PC will have more USB ports.</p> <p>2.Upgraded specifications must have been asked. These are latest and also cost effective.</p> <p>3.It is requested to elaborate the requirement of all the ports in IFP. It is suggested to have: 3 x HDMI IN (1xFront 2x back) , 1x HDMI Out, 4x USB, 1x DP IN, 1x LAN IN, 1x LAN Out, 1x AV IN, 1x AV Out, 2x Touch USB OUT, in order to provide better connectivity.</p> <p>4.Multiple connectivity available for future ready use. 4 x HDMI i/p, 4xUsb Touch,1xHDMI o/p,2xUsb 2.0, 1xUSB3.0. HDMI Out Also</p> <p>5.Multiple connectivity available for future ready use. 4 x HDMI i/p, 4xUsb Touch,1xHDMI o/p,2xUsb 2.0, 1xUSB3.0. HDMI Out Also</p> <p>6.It will help in connecting camera and other accessory</p> <p>7. 2HDMI,2USB: We suggest you to add HDMI Input x 3, RGB/VGA x 1, Audio x 1, PC slot x 1, RS232x1, OPSx1; Output Ports (Minimum): HDMI x 1, Audio(Earphone out) x 1, SPDIF x1; USB Ports (Minimum): USB 2.0 Type A x 4, USB 3.0 Type A x 2, USB 2.0 Type B for Touch x 2. 5.</p> <p>8.Request to change as :3 HDMI &amp; 3 USB</p>	<b>Read as : 2HDMI, 2USB or Better</b>

85	<p>Section 10 Page No.113, Sr. no. 10</p> <p>Product Certifications - BIS, UL, FCC, CE, RoHS</p>	<p>1.Please keep all certificates. This will ensure test product</p> <p>2. In India UL and ROHS is not mandantory, hence the Product Certification: BIS, FCC, CE,(UL is not required for India)</p> <p>3. According to Government of India guidelines, BIS certificate is the Mandatory requirement. Govt. Lab test report is required to ensure smooth functionality in Indian Environmental conditions. UL and FCC are not valid certifications in India</p> <p>4. We request to add more certificates to get proper product UL, CE and FCC are all certificate for safety standards. So option to provide one of these should be given. Ideally only BIS standard suffices the requirement.</p> <p>5.TUV Certification (Flicker Free) - Eye protection and comfort with tested and certified quality displays. This is a must for classroom setup to ensure maximum protection to the eye of the students and Teachers. Request committee to consider the same and add this certification</p> <p>6.NO UL certification -- BIS / FCC and CE is fine</p> <p>7.Suggestions: Product Certifications : BIS, FCC , CE</p> <p>8.Product Certifications - BIS,FCC, RoHS, UL/CE, Energy Star;</p> <p>9.GMP also helps in securing good product</p>	<p><b>No change as per technical specification</b></p>
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		10.Product Certifications : BIS, FCC , CE	
		11.Product Certifications - BIS, UL , FCC , CE , RoHS: We suggest you to amend the Product Certificates as BIS, CE and ROHS only.	
		12.Certificates are OK, we request you to amend and add as BIS, UL, FCC, CE, ROHS, CB. All certificates are having different test of product of quality. All should be Mandatory	
		13.BIS, Govt. Lab Test Report, CE & RoHS	
		14.Please make it BIS / UL as both are safety certifications	
		15.GMP also helps in securing good product.	
		16.Product Certifications - BIS,FCC, RoHS, UL/CE, Energy Star	
86	Section 10 Page No.113, Sr. no. 11 Screen Share /Mirroring- Yes	This will help teacher to display their Laptop or mobile screen to Display	<b>Accepted</b>
87	Section 10 Page No.113, Sr. no. 12 Orientation - Both ways, Landscape and Portrait	1.Orientation - Landscape Only; Justification:The Interactive displays for education are ideally installed in Landscape orientation and are not meant for rotation. Content is normally in 16:9 aspect ratio and no brand manufacturer make the panel to support landscape & Portrait both for Education. There is no Board in Educational institute in Portrait Orientation	<b>Read as : Landscape only</b>

	and there is even no content made of educational system for portrait mode. All the Education content is in Landscape Only mode.	
	2.Please remove Portrait	
	3.Only landscape orientation is required as all the installed softwares are in landscape mode only.	
	4.As per classroom requirement Interactive board is required to be mounted in Landscape orientation to maintain Aspect ratio of 16:09 as ask in technical specification	
	5.Please remove portrait as all interactive displays have landscape model for classrooms	
	6.Landscape mode is suggested as the Interactive displays for education are ideally installed in Landscape orientation and are not meant for rotation. Content is normally in 16:9 aspect ratio.	
	7.Landscape give better viewing angle and wide picture area for better visibility	
	8.Landscape mode only as this in a classroom environment	
	9.Suggestions: Orientation: Landscape	
	10.Installation is landscape only	
	11.Orientation: Landscape	

		12.Classroom Solution will always need Landscape orientation for teaching and interactive displays are made for same application. We presume there won't be portrait model hence request to allow portrait as optional.	
		13. Recommendation to make it Landscape or Portrai	
		14.As Installation is landscape only.	
88	Section 10 Page No.113, Sr. no. 13 Power Consumption - 250 W or above	1.Power consumption - 250 W or below; Justification: Seems like this an typo error. You might be looking at mentioning 250 watt or lower and none in the industry want power hungry machine	<b>No change, as per technical specification</b>
		2.Less power consumption will provide Long Battery backup to UPS along with power saving.	
		3.There seems to be a typo. It is suggested to have 250 W or below. Ideally many IFP OEMs furnishes power consumption of 170W.	
		4.Less power consumption will provide Long Battery backup to UPS along with power saving.	
		5.Power consumption - 250 W or below	
89	Section 10 Page No.113, Sr. no. 14 Audio Power Consumption : Nil-Inbuilt	1.It is recommended that Internal Speakers 16W (Stereo) should be incorporated.( Nil-Inbuilt Audio is specified)	<b>Read as : Nil-Inbuilt Audio</b>

	Audio	3. Minimum 50/55 watt Speaker output is required since there is good student strength in classroom and also to ensure that the students seated on the last bench of the classroom are able to hear the sound clearly.	<b>with optimum output</b>	
		4. Audio - with zero power consumption: We suggest you to add 2.1 Channel Stereo Sound Speakers of 20 Watts x 2 and 15 Watts x 1 Sub-Woofer for best sound quality.		
		5. Total 55 watt-Inbuilt Audio system		
90	Section 10 Page No.113, Sr. no. 15 RAM : 4GB	1. Since it will be Online classes RAM 3GB DDR3 or better should be specified. (4GB is specified)	<b>Read as : 4GB or Better</b>	
		2. Upgraded specifications have been offered which are latest in technology and also cost effective		
		3. Please change to 3 GB		
		4. 11 GB RAM - 3GB RAM Android + 8GB RAM OPS. 4GB RAM is too low to run any application in future also the Minimum requirement of Windows 10 as on today is 4GB RAM which will future increase as year progress. Request committee to look into this point so that the investment is duly protected for the warranty asked in the tender which is 5 Year		
		5. Request to change ( this is the base config and cannot be made higher )		
		6. RAM: For classroom teaching 3GB RAM is more than sufficient to manage the high quality 3D including VR content. Please amend the RAM to 3GB to save unwanted cost. Suggestions: RAM -3GB DDR3 or better		
		7. Industry standard RAM available in Interactive display		

		is 2.5GB only, Samsung also have 2.5 GB RAM.	
		8.RAM -3GB DDR3 or better	
		9.We suggest you to amend the Processor with i3 (9th Generation or Higher) for best performance.	
		10.i3 INTEL (9th generation or better) with 1 TB or higher HDD	
91	Section 10 Page No.113, Sr. no. 16 Operating System - Android Version	1.Operating System - Android 8.0 or above; Justification: Specifying android version 8.0 or above would ensure you are bidding for a current generation device not an old series or version declared end of life by many a vendors/ global brands.	<b>Read as : Android 8.0 /Windows 10 / Open Source or better latest version.</b>
		2.Operating System - Android or similar	
		3.we wish to add ( v8.0 or latest) so that latest Technology is available	
		4.System Version Android™ we wish to add ( v8.0 or latest) so that latest Technology is available	
		5.Android Storage - 32GB or above;	
		6.Android version will be as per OEM	
		7.OS depends on OEM and every OEM offer different OS	
		8.Kindly furnish the details of the android version. Android version 8.0 or Better is suggested.	
		9.Which Android is required is not mentioned in the Tender specs. Android version 8.0. Latest in the market. Request Committee to give clarity on the same.	
		10.Android version should be 8.0 or higher or latest	
		11.Which Android is required is not mentioned in the	

		<p>Tender specs. Android version 8.0. Latest in the market. Request Committee to give clarity on the same.</p> <p>12. System Version -Android™ v8.0 or latest</p> <p>13. Tizen is Samsung OS and comes with better functionality &amp; security.</p> <p>14. Ops use is better in WINDOWS and all compatible with all applications</p> <p>15. Please allow Android/Webos/Similar</p> <p>16. We request inclusion of OPS with Windows,</p>	
92	Section 10 Page No.113, Sr. no. 17 Processor : I 3 INTEL (5 <sup>th</sup> generation or better) with 500 GB or higher HDD	<p>1. We should go for the latest CPU -Dual-core ARM® Cortex® A73 and Dual-core ARM® Cortex® A53, GPU-4*Mali™ G51, RAM 3GB DDR3, Internal Storage - 16GB (Instead of I 3 INTEL (5th generation or better) with 500 GB or higher HDD as specified)</p> <p>2. Is a separate android box needed? Further i3 PC will need Windows as operating system; Android cant run on i3 PC platform. Also, softwares that run on android wont run on i3 PC and vice-e-versa. So please confirm if both android and PC are needed. Further, i3 production will be stopped by intel from next year, therefore we suggest you to consider 'i5' for this project.</p> <p>3. Processor specs are very low to run any high graphics content like videos and pics which are now incorporated in the education module of any state board.</p> <p>4. Third Party device integration will give required functionality</p> <p>5. i5 is a better version</p> <p>6. CPU -Dual-core ARM® Cortex® A73 and Dual-core ARM® Cortex® A53, GPU-4*Mali™ G51, RAM 3GB</p>	<b>Read as : i5/i7 (7<sup>th</sup> generation or better) with 500 GB HDD or Better</b>



		DDR3, Internal Storage - 16GB	
		7. We request the dept. to mention latest generation of processor 8th Gen or Higher	
		8. latest is 4K OPS and i5 and SSD Storage.	
		9. i5 is a better version	
		10. If instead of core i3 pc, if you opt for a core i5 with below specifications, you can use the same display for video conferencing too	
93	Section 10 Page No.113, Sr. no. 19 Number of installed Device	Please clarify. 1 unit per school or 1 complete integrated unit?	<b>Installation as per direction of the Education Department</b>
94	Section 10 Page No.113, Sr. no. 20 Internet Connectivity : Yes	1. The hardware will be capable of connecting to the internet but the internet will have to be arranged by the purchaser/school 2. Upgraded specifications have been offered which are latest in technology and also cost effective 3. Internet Connectivity: Please clarify who shall provide the internet connectivity for monthly internet charges. Suggestions : Internet Connectivity: The bidder shall provide a 1Mbps internet connectivity and shall pay the unlimited usages of internet for a period of 1 yr.	<b>Yes</b> (Net connection is not the responsibility of the successful bidder but necessary inbuilt hardware for the internet connectivity should be part of panel)
95	Section 10 Page No.113, Sr. no. 23 Coating and Dust Resistant : Yes, Industrial grade 4mm toughened glass, can operate in	1. Surface Protection 4mm Thick Toughened Glass (we suggest to add Level 7H on Mohs.) Can operate in high temperature, humidity and dust	<b>Read as : Industrial grade 4mm toughened glass (Level 7H on Mohs), can operate in High temperature,</b>

	High temperature, Humidity & dust.	2.7H Toughened Tempered Anti-Glare glass	<b>Humidity &amp; dust.</b>
		3.Coating and Dust Resistant: As the IFP shall be used in a classroom environment and heterogeneous students shall be interacting. The toughness and surface protection is more important. Please specify the same. Suggestions: Surface Protection 4mm Thick Toughened Glass (Level 7H on Mohs. can operate in High temp. humidity and dust	
96	Section 10 Page No.113, Sr. no. 26 Keyboard and Mouse : Yes	1.Keyboard and Mouse : Is KB and mouse a part of the BOQ and shall be supplied separately ? Suggestions: Please clarify and provide the specification for both like wire-less / or wired etc	<b>Read as : Yes (Wireless)</b>
		2.Third Party device integration will give required functionality	
		3.Please clarify and provide the specification for both like wire-less / or wired etc	
97	Section 10 Page No.113, Sr. no.27 Writing & Sensitivity : Hands & pen ( both can be used for writing) with min 20 touch points ( simultaneously 10 fingers/multiple people can write)	1.It is suggested to change the clause to: Hands & pen (both can be used for writing) with min 10 touch points More than 10 students working with fingers/pen on the board is anyways not feasible.	<b>Read as : Hands &amp; pen (both can be used for writing) with min 10 touch points ( simultaneously 10 fingers/multiple people can write)</b>
		2.Writing & Sensitivity: Due to COVID 19, the users hand should be with gloves. So it should be sensitive to gloves. Suggestions: Touch Tools Finger, Stylus, Glove, Opaque Objects. With min 20 touch	
		3.In 65 inch screen size maximum 4 people can write simultaneously. Hence required maximum 4 point touch	

		4.Touch Tools Finger, Stylus, Glove, Opaque Objects. With min 20 touch points ( simultaneously 10 fingers/multiple people can write)	
		5.recommend a 10 touch Interactive panel is the standard in the education Industry.	
98	Section 10 Page No.113, Sr. no 28 Central Monitoring for Health check of Devices : Yes, possible using LAN	1.CENTRALLY MANAGE ALL YOUR INTERACTIVE DISPLAYS : Easily manage and deploy apps, configure display settings, add licences, use digital signage features or broadcast emergency messages to all OEM interactive displays, without ever having to leave your desk.  3.We request to suggest this clause to be removed as not only will this non-required feature add substantially to your purchase cost , nor will the usage of this be ever required.	<b>Read as : Yes, possible using LAN ( when required)</b>
99	Section 10 Page No.113, Sr. no 29 Use of Video Conferencing : can use same display in future if VC requires for virtual Class	1.if VC requires for virtual Class you can use the same display in future  2.The panel should also have microphone port to connect for audio recording/VC/Virtual Class in future . Incase of standalone the software should support Audio and annotation recording in single file . Helps in creating content for students and to play later in classroom for revision or to be shared  3.Dedicated USB Based Camera Port along with Camera Plate on top for screw-in web cam installation can use same display in future if VC requires for virtual Class	<b>Read as : can use same display in future if VC requires for virtual Class (Should support Microphone)</b>

		4.As target us for VC requirement for virtual class in future, the panel should also have microphone port to connect for audio recording/VC/Virtual Class. Incase of standalone the software should support Audio and annotation recording in single file .	
100	Section 10 Page No.113, Sr. no 30 E-Learning (1st to 10th Std) : Map & approved Developed on basic principal of watching, hearing, reading, & learning. Topic vise question bank based on Animation & actual pictures to connect with students faster	1.An Android based APP for teacher (Minimum 1users per school) for a period of 5years A Learning platform for both on-line and off line teaching and learning facilities with all educational tools to automate the learning process of the school including Attendance, learning activities, lesson plan, Assessment, results and analytical reports An assessment engine to automate the examination conducted at schools along with self assessment facilities LMS should automate all learning activities and regulate the school's academic progress using lesson plan and lesson activities A comprehensive Learning Management System (LMS) to manage content and other education resources for teacher, LMS must have Two way synchronisation facility for both Online and Offline. The LMS should have facility to analyse the teacher progress and tracking. Educational Videos are of having 2D/3D, interactivities, VR enabled and other educational formats. APP should be installed in IFP and should be white labelled to Municipal Corporation.	<b>Read as : E-Learning (1st to 10th Std) : Map &amp; approved Developed on basic principal of watching, hearing, reading, &amp; learning. Topic vise question bank based on Animation &amp; actual pictures to connect with students faster ( with latest upgraded syllabus as per balbharti)</b>

		LMS can be integrated to different module of automation resource planning of education.	
		2.Please specify, a) how to qualify for content approval and what are the parameters, and which body/ with whom the contents are required to be checked. b) What is the 'URDU' e-content requirement? c) Do 'BAL BHARATI's approval required? d) What is the meaning of content mapping with the text book?	a)content approval is done by Balbharti themselves, kindly check with them. b)Urdu e-containt is required in Urdu language for Urdu medium. c)Yes Balbharti approval is required.
		3. Is creation of the e-learning content within the scope of the contractor? To what extent is content readily available for loading? 4. Will content need to be updated periodically? If yes, what will be the periodicity and who shall be responsible to update and review?	d)Content mapping is exact digital representation of text book in digital form. 3.Yes, e-learning content is within the scope of the contractor. 4.Yes, content need to be updated periodically as an when Maharashtra state board syllabus is changed.
101	Section 10 Page No.114, Sr. no 32 Facial Biometric Attendance : Hardware and software	1.Face recognition data of all students will be entered by school staff. 2.We request you to elaborate the specifications required for Facial Biometric attendance. We suggest to consider a web & mobile based reporting solution that provides not only facial biometric attendance feature but also behavioral analytics for both teachers as well as the	<b>Read as: Camera and software should be part of panel.</b>

		<p>students. We propose the following features: - • Facial Recognition feature for attendance. • It should consist of artificial intelligence based cameras that provide comprehensive behavioral analytics reports for students as well as teachers. • It should provide reports regarding the teacher's engagement with students, students attentiveness, and various other aspects of behaviors like run, danger, fight, fall displayed by students and the teachers that in turn helps the school to improvise their teaching methods and environment to provide a better learning experience.</p> <p>3.Request to change -- is not available as for one there is no webcam and teachers are just posting the content already in the system</p> <p>4.The bidder should provide the HW and SW for the face recognition attendance. The student attendance module should be a part of the LMS system . Each student attending the digital class should be marked as present. The teacher should be facilitated to take attendance just before the class using the device. Please provide the specification of the device.</p> <p>5.We request the dept. to kindly delete this clause</p> <p>6.Request to mark it as additional bill of material</p>	( Yes, The bidder should provide the HW and SW for the face recognition attendance.)
102	Section 10 Page No.114, Sr. no 33 Web application for reporting : Yes	Please specify the format	(Web application for reporting is the provision to be made available in operating system in built-in

			ROM.)
103	Section 10 Page No.114, Sr. no 34 STEM Tools : STEM Tools draw shapes, use math tools, like protractor and compass, solve equations and formulas, and simulate physics and chemistry lab experiments	<p>1.The specifications mentioned in the document are outdated and obsolete. Upgraded specifications have been offered which are latest and also cost effective.</p> <p>2.Through Teachinfinity software of OEM and can you any 3rd Party Software for the same.</p> <p>3.Through Teachinfinity software of Newline and can you any 3rd Party Software for the same.</p>	<p><b>Read as : STEM Tools draw shapes, use math tools, like protractor and compass, solve equations and formulas, and simulate physics and chemistry lab experiments with higher version of specs.</b> ( 3<sup>rd</sup> party software is allowed but it should be the part of panel)</p>
104	Section 10 Page No.114, Sr. no 35 Education Management : Should have built - in Education Management Software	<p>1.ACER with its OPS supplies NOTE / Capture -- is there any other software that they need</p> <p>2.Please specify the modules and usage of the Education Management software</p> <p>3.We request the dept. to clarify more in detail for better understanding.</p>	(EMS works in the logic of client and server, hence Operating system and the ROM must support the EM software) <b>No change as per technical specification</b>
105	Section 10 Page No.114, Sr. no 36 Teacher Collaboration : Teacher should be able to contribute wirelessly in real time	<p>1.Please clarify</p> <p>2.It is requested to include: Both Teacher as well as the student should be able to contribute wirelessly from anywhere anytime.</p> <p>3.This can be done with our Remote software on OPS Windows -- note on Android</p> <p>4.We request the dept. to clarify more in detail for better understanding.</p>	( This software supports wireless integration between multiple devices & the software should be the part of the panel) <b>No change as per technical specification</b>

106	Section 10 Page No.114, Sr. no 37 UPS	1.The following is suggested for the UPS specifications for wider participation and also ensuring better service and Product.	<b>Read as : 1 KVA with 1 hr Battery backup</b>
		2.UPS : 1 KVA - Please provide the complete specification along with back up time and battery details	
107	<p><b><u>-Specification For E-Learning Multimedia Content:</u></b></p> <ol style="list-style-type: none"> <li>1. Software should be based on Maharashtra state board Syllabus Marathi, English, Urdu, Semi mediums.</li> <li>2. Software should be based on playing while learning method include study ,Games, Multiple Choice test, question answers for assessment.(Additional Q&amp;A and problems incorporated in the software)</li> <li>3. All subjects should be available(Marathi book, English book, Hindi book, Urdu book, science ,maths, social science and grammar)</li> <li>4. 100% mapped on state board syllabus, referring to text book should not be required separately for</li> </ol>	1.Point 8. And the same should be delivered through on-line and off-line along with two way synchronization Learning management platform and Android APP with complete customized labelling to Mumbai Municipal Corporation for a period of 5 years. The bidder must avail MeitY empaneled cloud service provider.	<p><b>Read as :</b></p> <p><b>1. Software should be based on Maharashtra state board Syllabus Hindi, Marathi, English, Urdu, Semi mediums and e-contains should be approved by Balbharti.</b></p> <p><b>2. Software should be based on playing while learning method include study, Games (Educational), Multiple Choice test, question answers for assessment. (Additional Q&amp;A and problems incorporated in the software), Unlimited randomization (Interactivity) should be available for solving Maths problem.</b></p>
		<ol style="list-style-type: none"> <li>2. Who shall be providing and shall be responsible for providing / creating the learning content?</li> <li>3. Who shall be responsible for payments towards licencing / copyrights / trademarks of the textbooks and other learning content?</li> <li>4. What shall be the frequency of software updation?</li> </ol>	
		5.Software along with E Learning content should be available to teacher in classroom in window as well as Android platform and the same should be delivered through on-line and off-line along with two-way synchronization Learning management platform and Android APP with complete customized labeling to MCGM for a period of 5 years. The bidder must avail MeitY empaneled cloud service provider.	



	<p>teaching.</p> <p>5. Local customization of E-learning content by the user under guidance should be possible.</p> <p>6. Easily measurable:-usage of software can be tracked by the user.</p> <p>7. Software module should have facility to play 2D, 3D, still picture &amp; videos one platform.</p> <p>8. Software should be available in window as well as Android platform.</p> <p>9. Software updation shall be provided for 05 years.</p>	<p>6.E Content: Please clarify for how many years the E learning &amp; Multimedia content for Class I to Class X at various Municipal schools shall be provided? Is this for the licenses to access and use the content? What is the mode of delivery of these content ?</p> <p>7.Possible through Software</p> <p>8.Third Party device integration will give required functionality</p> <p>9.E-Learning (1st to 10th Std) : Need clarification about the delivery mode, APP, LMS and other features of E content and Education management Software. Please clarify the tenure of access of the E content.</p> <p>10.We request the dept. to clarify more in detail for better understanding.</p>	<p><b>8. Software should be available in window as well as Android platform under offline condition.</b> ( The successful bidder shall be providing /creating the learning content along with all payments towards licencing / copyrights / trademarks of the textbooks and other learning content for 5 years. The software updating will be needed with the change of syllabus of Maharashtra state board.)</p>
108	<p>Section 10 Page No.114, Special Instructions to Bidders, Sr. no 1 OEM for Large format interactive panel for digital class room shall be in operation in last 10 years. Documentary proofs shall be submitted along with the Bid.</p>	<p>1.Kindly ask Registration Certificate as proof of Brand &amp; Manufacturer</p> <p>2.It is requested to include: Both Teacher as well as the student should be able to contribute wirelessly from anywhere anytime.</p> <p>3.OEM for Large format interactive panel for digital class room and UPS shall be in operation in in India for last 10 years. Documentary proofs shall be submitted along with the Bid.</p> <p>4.Interactive Display Manufacturer Turnover should be average 500 crore and above in last 3 years, to avoid Chinese brands of low quality</p> <p>5.Please make it to 7 years</p>	<p><b>No change as per technical specification</b></p>

		6.OEM for Large format interactive panel / digital classroom shall be in operation in India since last 5 years. Documentary proofs shall be submitted along with the Bid	
109	Section 10 Page No.114, Special Instructions to Bidders, Sr. no 2 OEM must have service support team in Mumbai Metropolitan region. Documentary proofs shall be submitted along with the Bid.	<p>1.Direct Service Center should active from last 5 years ( Agreement Copy /Registration copy should refer as proof)</p> <p>2.Since last 5 yrs. Documentary proofs shall be submitted along with the Bid.</p> <p>3.OEM must have a well trained service centers with experince of atleast 3 years. Understanding high travel time due to Mumbai Traffic congestion , OEM must have multiple service centres across for providing priority services.</p> <p>4.OEM must have own registered office and service support center and team in Mumbai Metropolitan region since last 5yrs. Documentary proofs shall be submitted along with the Bid.</p> <p>5.OEM / BIDDER to have service support team in Mumbai metropolitan regions OR should setup centre after receiving the order</p>	<b>Read as : OEM must have service support team / service centres in Mumbai Metropolitan region. Documentary proofs shall be submitted along with the Bid</b>
110	Section 10 Page No.114, Special Instructions to Bidders, Sr. no 3 The OEM shall have the following ISO certifications or with latest amendment: ISO 9001:2015 & ISO 14001:2015. Documentary proofs shall be submitted along with the Bid	<p>1.We Request you to add - OHSAS India certificate for Factory</p> <p>2.Content provider should have ISO 9001:2015, ISO 27001 and ISO/IEC 20000-1:2011 certifications.Documentary proofs shall be submitted along with the Bid.</p> <p>3.We Request you to add - OHSAS Factory certificate for India, to ensure established OEM and reputed brand</p>	<b>No change, as per technical specification</b>

		participation.	
111	Section 10 Page No.114 3. Hardware bonding should be done to achieve clear, distortion free image, accurate touch & smoothness.	Recommended by Education Department	<b>Read as : Hardware dry bonding should be done to achieve clear, distortion free image, accurate touch &amp; smoothness.</b>
112	Section 13 Page No.124 List of Approved Banks	Kindly add HDFC Bank as in the list as it countries largest private sector bank.	<b>No change as per Tender clause</b>
113	Section 14 Page No.129 <b>FORM OF TENDER</b>  Annexure A to F.	Annexure E & Annexure F are not in the tender document.	<b>Read as : Annexure A at page no 148 as Annexure E &amp; Annexure at page no 150 as Annexure F</b>
114	Section 14 Page No.135 & 148 Annexure A - has estimated cost, time period, emd etc details. Annexure A - Irrevocable undertaking on Rs. 500/- stamp paper	Requesting you to please bring clarity on Annexure A content and how many stamp duties in all	<b>No change as per Tender clause</b>
115	Page No.139, Annexure C Declaration cum Indemnity Bond	As mentioned in the earlier clauses that MCGM should give us a minimum notice period of 15days in terms of any identified gaps as per the terms of the Agreement - point no 4 and point 5 in Annexure C - Declaration cum idennity bond also needs to be reworked accordingly	<b>No change as per Tender clause</b>
116	Page No.144 Performa 2: Annual Turnover of Civil Engineering Works	We request you to revise the clause as follows: The turnover should be calculated from supply and	<b>Read as : Annual Turnover of the participating Companies.</b>

		implementation of smart classrooms in Schools.	
117	Page No.148, Annexure A Irrevocable Undertaking	Point of the undertaking is agreeable to TCE only if MCGM undertakes to bear any increase in rate of tax on supply of goods and services in future and MCGM agrees for increase in prices on account of increase in taxes.	<b>No change As per Tender clause</b>
118 A	Page no. 149 Insurance As per Maharashtra Government G.R.No. GEN/1098/1357/Pra Kra-166/98/UDD-24 of 03.11.2003, the contractor shall execute third party insurance of the contract work from the Directorate of Insurance, Maharashtra State & submit supporting documents to that effect after award of the contract. If the contractor fails to execute the insurance of the contract work from the above mentioned office, then MCGM shall deduct 1% of the contract cost from their bills & remit it to the Directorate of Insurance through Demand D	Insurance should not be mandatory  Request for clarification if the insurance can be provided from the private insurance companies	<b>No change As per Tender clause</b>
118 B	Special Clause: Office Memorandum issued by Ministry of Finance u/n F.No.6/18/2019-PPD “Subject: Restriction under Rule 144 (xi) of the General Financial Rules (GFRs) 2017” is enclosed herewith where participating bidder need to follow		<b>Special clause applicable</b> (Tender received from bidders from countries depicted in Subject: Restriction under Rule 144 (xi) of the General Financial Rules (GFRs) 2017 shall be dealt as non-compliant with tender conditions & other clauses in this office memorandum are applicable to this subject Tender)

Additional Suggestion			
119	Due to the pandemic of SARS-COV2/COVID-19 (Corona Virus), the surface of the interactive pannel needs to be protected from further spread of any Viral/Bacterial Infection.	<p>Antimicrobial Coating for Panel</p> <p>Antimicrobial Coating of Active Copper Nanoparticles embedded into a nanopolymer for continous surface disinfection</p> <p>Either Solvent base or Water based</p> <p>Non Hazardous, Non Toxic, Cleanable, UV Resitant, Versatile, Breathable, the overlay must last more than 6 months in ambient environment.</p> <p>Flash Point: 30 Degree Celsius</p> <p>Boiling Point: 138 Degree Celcius or better than above"</p> <p>The coating must be certified by NABL lab for 99.99% for reduction for the contact of 60 minutes.</p> <p>certification for unrestricted funtioning of the pannel upon appliance of the coating.</p>	<b>Accepted</b>

All other tender condition and technical specification of tender shall remain same and bidder shall submit all document of technical specification with tender, otherwise they will be treated as non-responsive.

Sd/-  
Asst.Engr Elect.(Wards)

Sd/-  
E.E.Mech(E.I.)Maint

Sd/-  
A.O.(s) I.T.Ini.

Sd/-

Sd/-

Sd/-

*(A) General Guidelines for Fixing Requirement of Technical Staff*

Cost of work (Rs in Crore)	Requirement of Technical Staff		Minimum Experience (year)	Designation
	Qualification	Number		
more than 20 to 50	j) Graduate Engineer ( Electrical/IT/ Electronics/ Computer/ E & TC)	1	10	Project Manager  (Till commissioning of all 1300 no's of digital classroom.)
	ii) Graduate Engineer or Diploma Engineer ( IT/ Electronics/ Computer/ E & TC)	1+1	5	Project/Site Engineer  (For Hardware maintenance. Till completion of 5 years )
	iii) Diploma Engineer	1+1	5	Maintenance Engineer  (For software upgradation of panel, Education contain & all requisite software. Till completion of 5 years)

**Note : The staff will be sole responsibility of the successful bidder. The work should be carried out with necessary technicians, skilled/ semiskilled labours.**